

Military Combat Eye Protection (MCEP)

2008

Report Documentation Page			Form Approved OMB No. 0704-0188		
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE 2008	2. REPORT TYPE		3. DATES COVERED 00-00-2008 to 00-00-2008		
4. TITLE AND SUBTITLE Military Combat Eye Protection (MCEP)			5a. CONTRACT NUMBER		
			5b. GRANT NUMBER		
			5c. PROGRAM ELEMENT NUMBER		
6. AUTHOR(S)			5d. PROJECT NUMBER		
			5e. TASK NUMBER		
			5f. WORK UNIT NUMBER		
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Army Program Executive Office Soldier, Ft. Belvoir, VA			8. PERFORMING ORGANIZATION REPORT NUMBER		
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)			10. SPONSOR/MONITOR'S ACRONYM(S)		
			11. SPONSOR/MONITOR'S REPORT NUMBER(S)		
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 30	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			



ARMY



AIR FORCE



NAVY



MARINES



EYE ARMOR WEAR IT!



Protected Eyes

OR
NOT



Unprotected Eyes



For more information contact: www.dodvision.com



EYE ARMOR



ESS LPS, 48



ESS SPDS, 48



ESS DVG



ESS Low Operations Goggles



ESS Low Profile NVG Goggles



ESS Vehicle Operations Goggles



ESS Flight Deck Goggles



Wiley-X DG-1 Goggles



Oakley M



Uvex XC
(Insert)



ESS ICS-2
(Insert)



Revision SAWPLY
(with inserts)



Wiley X RT 1



Revision FLAKAR

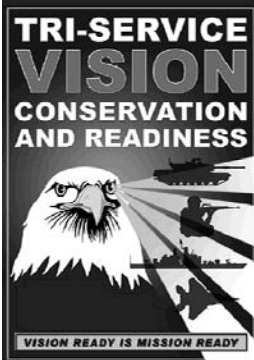


Revision Desert Locust

**TRI-SERVICE
VISION
CONSERVATION
AND READINESS**



EYE ARMOR
COMBAT EYE PROTECTION SYSTEMS



What is MCEPP?

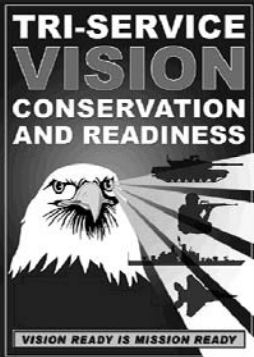
Military Combat Eye Protection Program

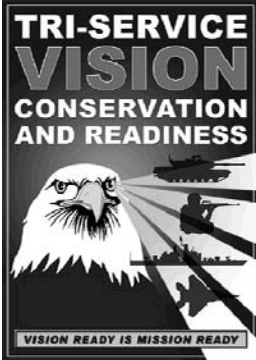
- Program established to validate and authorize protective eyewear devices for use by military personnel
- All devices must meet or exceed protective standards established by the Integrated Product Team (IPT)
- Base standard is the Ballistic Laser Eye Protection System (BLPS) and Sand, Wind and Dust Goggle (SWDG)



Who Manages the MCEPP?

- MCEPP is managed by Program Executive Office Soldier (PEO Soldier)
- MCEPP is executed under Product Manager Soldier Survivability (PM-SSV)
- The MCEPP-IPT is the advisory board to PEO Soldier on Combat Eye Protection





Who comprises the IPT?

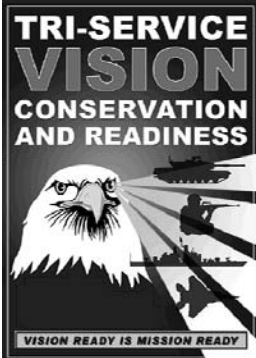
Members from the following groups are part of the IPT:

- ✦ PM-SSV
- ✦ Ophthalmic Clinical Community
- ✦ Ophthalmic Fabrication Community
- ✦ Military Logistics Community
- ✦ Military End Users



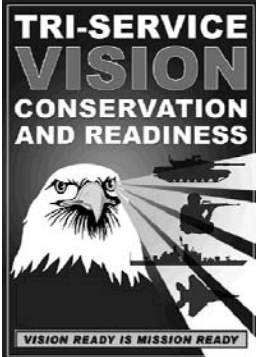
What does the IPT do?

- Validates safety standards and testing protocols
- Determines approval of new products for placement on the Authorized Protective Eyewear List (APEL)
- Recertifies current products on the Authorized Protective Eyewear List (APEL)





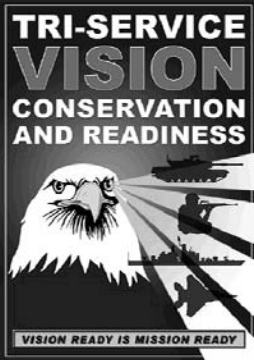
What is the APEL?



- A listing published by PEO Soldier of all eyewear products that have been approved for military use by the MCEPP-IPT
- All APEL items will be marked with this sticker on its packaging

AUTHORIZED
PROTECTIVE
EYEWEAR
LIST (APEL)
APPROVED

- *Members who purchase their own MCEP should look for this sticker*



Where do I find the APEL?

The APEL is published on the following websites:

<https://www.us.army.mil/suite/page/407>

<https://peosoldier.army.mil/pmseq/eyewear.asp>

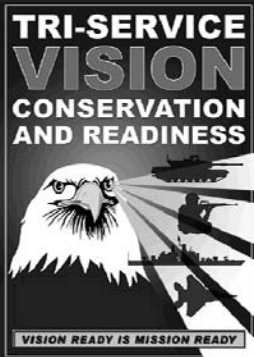
<http://chppm-www.apgea.army.mil/doem/vision/Army/default.asp>

The APEL is updated two times each year



What are the MCEP requirements?

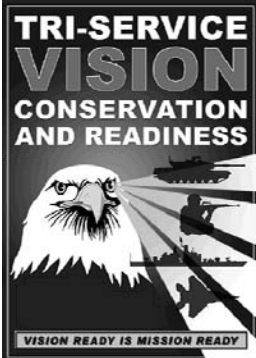
- For placement on the APEL, all MCEP must meet performance requirements that include:
 - System Configuration
 - System Weight
 - System Interfaces
 - Environmental Factors
 - Chemical Resistance
 - Ballistic Protection
 - Optical Characteristics
 - Flammability
 - Durability





Are products ever dropped from the APEL?

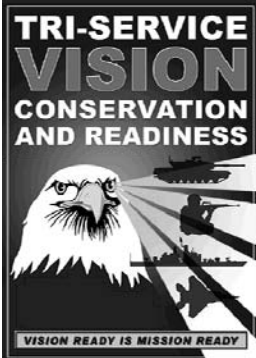
- Yes
 - All products are retested to current MCEP standards every two years
 - All products are routinely sampled for compliance with current MCEP standards
 - Any changes to the design or fabrication process of APEL items requires immediate retesting
 - Two spectacle systems have been removed from the APEL, to date

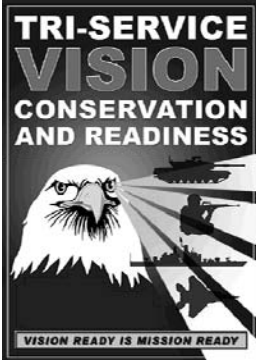




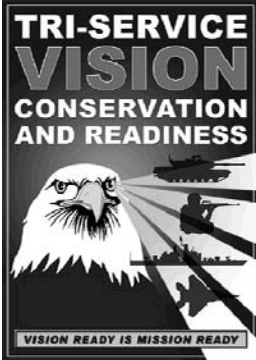
How do products get on the APEL?

- APEL Approval is a three-step process
 - Must first meet military combat eye protection requirements
 - Undergo user field testing
 - Receive approval from the MCEP-IPT





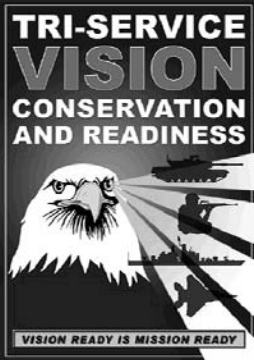
What are the current commercial products on the APEL?



Spectacle systems with prescription capability

- ESS ICE II
 - Large
- ESS ICE NARO
 - Regular
- Both sizes utilize the same ESS prescription lens carrier

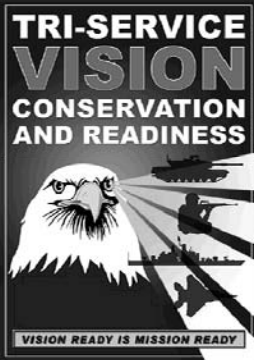




Spectacle systems with prescription capability

- Revision Sawfly
 - Regular
 - Large
- Both sizes utilize the same Revision prescription lens carrier

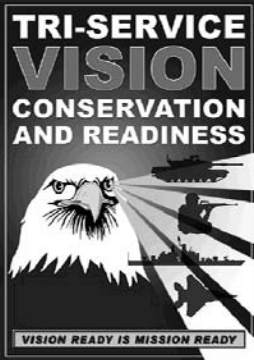




Spectacle systems with prescription capability

- UVEX Genesis
 - Regular
- UVEX XC
 - Large
- Both sizes utilize the same UVEX prescription lens carrier





Spectacle systems with no prescription capability

- Oakley SI M 2.0



- Wiley X PT-1



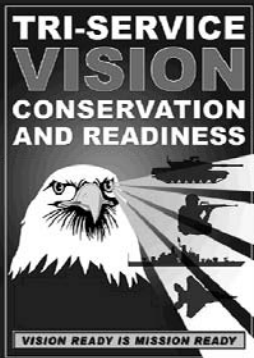
- Wiley X SG-1





Goggle systems with prescription capability

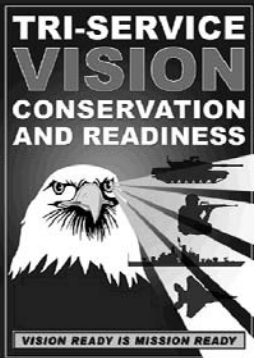
- ESS Profile NVG
 - Utilizes the same ESS prescription lens carrier that fits the ESS ICE II & ESS NARO

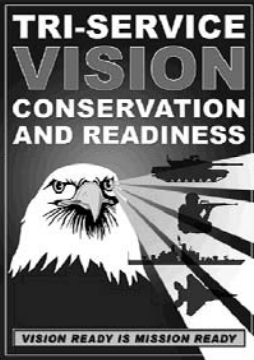




Goggle systems with prescription capability

- Revision Desert Locust
 - Utilizes the same Revision prescription lens carrier that fits the Revision Sawfly





Goggle systems that may be worn over LO military spectacles

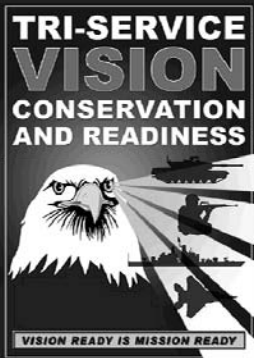
- ESS Land Ops
 - May also be worn over LO military spectacles
- ESS Vehicle Ops
 - May also be worn over LO military spectacles

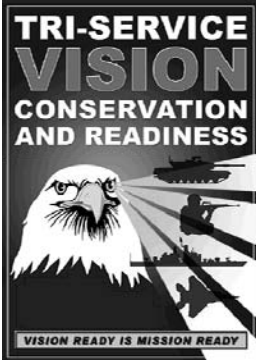




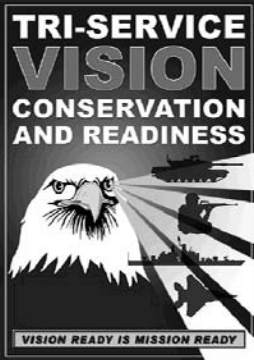
Goggle system with no prescription capability

- Arena Flak Jak
 - No prescription lens carrier
 - Does not fit over military LO spectacles





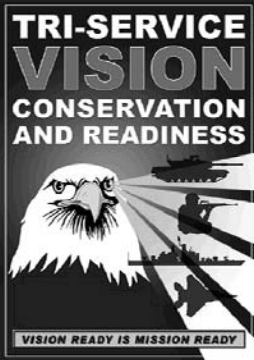
What are the current APEL products that provide LASER protection?



Military Spectacle Systems for Laser and Ballistic Protection

- SPECS (Spectacle Protective Eyewear Cylindrical System): No prescription capability
- BLPS (Ballistic Laser Protective Spectacles): Utilizes the M-40 Optical Insert





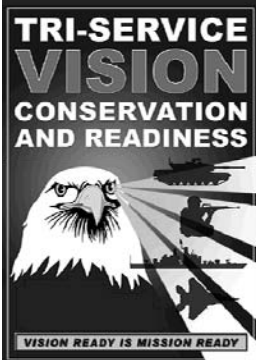
Military Goggle for Laser and Ballistic Protection

- Sand, Wind and Dust Goggle (SWDG): May be worn over spectacles





How do I get MCEP?

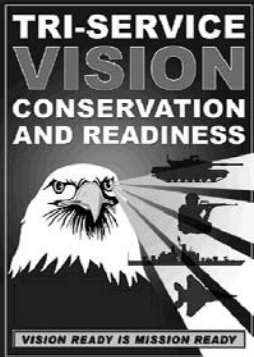


- Issued to all IET Soldiers
 - 2006 UVEX XC & ESS ICE II
 - 2007 Revision Sawfly
 - 2008 Determined by TRADOC
- Rapid Fielding Initiative
 - RFI issues one spectacle and one goggle to deploying Soldiers
 - Spectacle Systems
 - UVEX XC and UVEX Genesis
 - Goggle Systems
 - ESS Profile NVG and ESS Land Ops
 - Arena Flak Jak
 - Revision Desert Locust

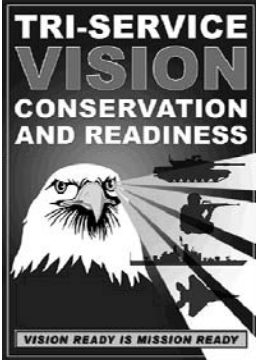


How do I get MCEP?

- Supplied by unit
 - All items are assigned National Stock Numbers and may be ordered through common logistics channels
- Self Purchase
 - All items stocked at Military Clothing and Sales Stores and Post Exchanges
 - Ensure items are marked with the APEL sticker before purchase



**AUTHORIZED
PROTECTIVE
EYEWEAR
LIST (APEL)
APPROVED**

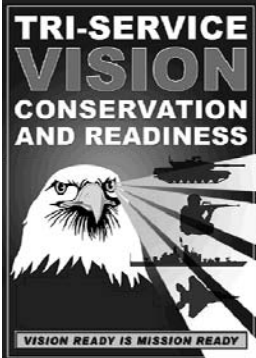


How do I get prescription lenses for my MCEP?

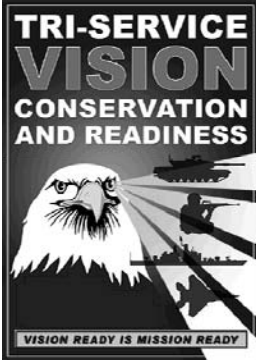
- Prescription Lens Carriers are a Class VIII medical item and are ordered through your local eye clinic.
 - Must have a valid prescription
 - Must know your MCEP spectacle and goggle system
 - The eye clinic ONLY provides the prescription lens carrier
 - The eye clinic DOES NOT provide MCEP spectacle and goggle systems



Why are there so many items on the APEL?



- More Choice
 - MCEP only works when worn
 - More choice increases the opportunity for users to find a product that meets their needs
- More Product
 - A system failure by one product can be overcome by the other vendors
- More Protection
 - Competition between vendors leads to improved devices that better address the needs of the user



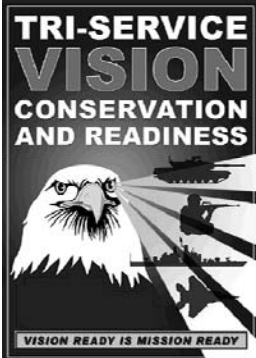
Is there a preferred product?

- There is no preferred product
- All items meet the same MCEP requirements
- Some items perform better on certain tests than others
 - Fogging, Scratch Resistance, etc.
- No single product performs best on all tests



Are there differences between the Services?

- Army
 - Units may purchase all items on the APEL
- Air Force
 - Units may purchase all items on the APEL
- Navy
 - Medical personnel are authorized items on the APEL
- Marine Corps
 - Limited to ESS ICE II, ESS NARO and ESS Profile NVG
 - Prescription lens carriers must contain polycarbonate lenses





ARMY



AIR FORCE



NAVY



MARINES



EYE ARMOR WEAR IT!

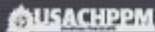


Protected Eyes

OR
NOT



Unprotected Eyes



For more information contact: www.dodvision.com



EYE ARMOR



ESS LPS, 42



ESS SPDS, 42



ESS DVG



ESS Low Operations Goggles



ESS Low Profile NVG Goggles



ESS Vehicle Operations Goggles



ESS Flight Deck Goggles



Wiley-X DG-1 Goggles III



Orbiter III



Uvex XC
(Insert)



ESS IOC-2
(Insert)



Revision SAWPLY
(with inserts)



Wiley X RT 1



Revision FLAOR



Revision Desert Locust

**TRI-SERVICE
VISION
CONSERVATION
AND READINESS**



EYE ARMOR
COMBAT EYE PROTECTION SYSTEMS